

Title (en)

ROBOT SYSTEM AND CONTROL METHOD FOR ROBOT SYSTEM

Title (de)

ROBOTERSYSTEM UND STEUERUNGSVERFAHREN FÜR ROBOTERSYSTEM

Title (fr)

SYSTÈME ROBOTISÉ ET PROCÉDÉ DE COMMANDE POUR SYSTÈME ROBOTISÉ

Publication

EP 4223465 A1 20230809 (EN)

Application

EP 21875881 A 20211001

Priority

- JP 2020167845 A 20201002
- JP 2021036454 W 20211001

Abstract (en)

A robot system 100 includes a robot (1) including an end effector (6), an operation unit (8), and a controller (3) which moves the end effector (6) based on operation of the operation unit (8) and causes the end effector (6) to perform processing to a to-be-processed surface of a workpiece in a contactless manner. When moving the end effector (6) based on the operation of the operation unit (8), the controller (3) performs at least either one of a first control in which a distance between the end effector (6) and a control to-be-processed surface, which is the to-be-processed surface of the workpiece or an imaginary to-be-processed surface of the workpiece, is constant, or a second control in which an angle of the end effector with respect to the control to-be-processed surface is constant.

IPC 8 full level

B25J 13/00 (2006.01); **B05B 12/00** (2018.01); **B25J 9/22** (2006.01)

CPC (source: EP KR US)

B05B 12/00 (2013.01 - KR); **B05B 12/122** (2013.01 - EP); **B05B 12/124** (2013.01 - EP); **B25J 9/1664** (2013.01 - KR US); **B25J 9/1679** (2013.01 - EP KR); **B25J 11/005** (2013.01 - US); **B25J 11/0075** (2013.01 - EP KR); **B25J 13/06** (2013.01 - KR); **B25J 13/08** (2013.01 - KR); **B05B 13/0431** (2013.01 - EP); **G05B 2219/45013** (2013.01 - EP); **G05B 2219/45065** (2013.01 - EP)

Citation (search report)

See references of WO 2022071585A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 21875881 A 20211001; CN 202180067561 A 20211001; JP 2021036454 W 20211001; JP 2022502250 A 20211001; KR 20237014036 A 20211001; US 202118027141 A 20211001